

p2375P
3.P16
v.11/3



STATE PARKS NEWSLETTER

SOUTH CAROLINA DEPARTMENT OF



VOLUME XI
NUMBER III

PARKS, RECREATION AND TOURISM



FALL
1981



PARK LITES is the official publication of the Division of State Parks, Department of Parks, Recreation and Tourism, Edgar A. Brown Building, 1205 Pendleton Street, Columbia, South Carolina 29201. Correspondence regarding this publication should be mailed to the above address. Permission is granted to reprint any uncopyrighted portion of this publication. Credit to the source will be appreciated.

DANA L. SAWYER, *Editor*

EXECUTIVE DIRECTOR

FRED P. BRINKMAN

ASSISTANT DIRECTORS

J. W. LAWRENCE, *for Operations*

ROBERT L. GUNTER, *for Administration*

DIVISION OF STATE PARKS

RAY M. SISK — *State Park Director*

KENNETH O. KOLB — *Assistant State Park Director*

JOE M. BARRON — *Engineering Coordinator*

DAN TURPIN — *Programs Coordinator*

CHARLES HARRISON — *Chief of Park Operations*

JOSEPH LAFERTE — *Administrative Assistant*

EDMOND J. BROWN, JR. — *Safety Coordinator*

LEONARD JONES — *Superintendent, Service & Supply Center*

WILLIAM T. PUTNAM — *Manager, Service & Supply Center*

JAMES B. KING — *Chief of Merchandising*

ANDREW GILLENS — *Concessions Supervisor*

PHIL HEYDT — *State Park Recreator*

JOE F. WATSON — *Chief Naturalist*

JOHN REID CLONTS — *State Park Naturalist*

MIKE FOLEY — *Chief Historian*

RAY SIGMON — *Historic Researcher*

MARION EDMONDS — *Historic Research Coordinator*

DANA L. SAWYER — *Information and Education Officer*

JAMES B. WORK — *Chief of Maintenance*

VANDELL DAVIS — *Assistant Chief of Maintenance*

WILLIAM C. LUCAS — *Chief of Construction*

JOANNE LEWIS — *Staff Assistant*

WILLIAM O. McMEEKIN — *State Park Engineer*

ARCHIE G. MOORE, JR. — *Engineering Associate*

LARRY DUNCAN — *District Superintendent*

VAN STICKLES — *District Superintendent*

HORACE CRAIG — *District Superintendent*

CHARLIE F. PARKMAN — *District Superintendent*

LORINE W. DAVIS — *Staff Assistant, Columbia Office*

VALERIE LEVER — *Secretary, Columbia Office*

JACQUELINE WOOD — *Secretary, Columbia Office*

LINDA SLOOP — *Secretary, Columbia Office*

SUSAN FOWLER — *Office Manager, Service and Supply Center*

JACQUELINE JONES — *Data Coordinator I, Service and Supply Center*

VALERIE ASHFORD — *Secretary, Service and Supply Center*

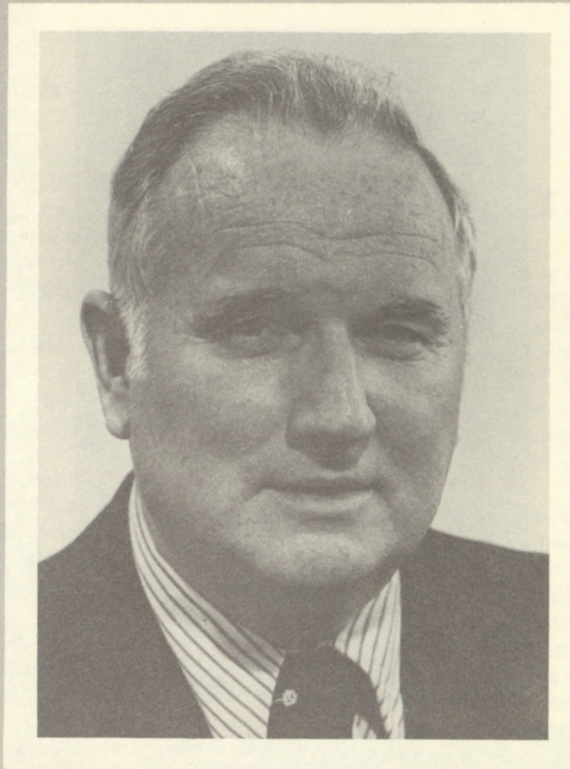
SUSAN WRIGHT — *Ken Entry Operator, Service and Supply Center*



ABOUT THE COVER

Begosh and begorra! Here's living proof that state park special programs run the gamut from one extreme to the other! The Piedmont Highlanders march down the parking area at Caesars Head as part of a Scottish Fling, held at the park August 29. Also featured was Scottish poetry, song and dance, plus an evening concert by these traditionally attired bagpipers. (Photo by Phil Heydt)

FROM THE DIRECTOR



S. C. STATE LIBRARY
OCT 1 1 1981
STATE DOCUMENTS

FROM THE DIRECTOR

Thanks, again, for all of our Division of State Parks Personnel and especially our Field Personnel for another successful summer. Our coastal parks have really gone through a real *long* summer operational period as they have been filled since early April.

Thanks, also, to our District Superintendents who continue to do an outstanding job and, also, to our Maintenance Crews who are away from home from 4 to 5 nights a week working mostly on emergency projects that occur during the summer months.

Our appreciation to the people in the field for their cutback on electricity and gas consumption. We have had around 11% decrease in this use. We feel that we can continue to improve on this and appreciate your continued cooperation on this important matter.

Our deepest sympathy is extended to the families of Red Hall and T.D. "Binks" Ravenel III, who passed away recently. Red was superintendent at Old Dorchester from 1963-1974. Ravenel was the first superintendent at both Edisto Beach and Kings Mountain State Parks, and was Acting State Park Director during the mid-forties.

Ray M. Sisk

Ray M. Sisk
Director
Division of State Parks

(Mr. Sisk was elected Vice-President of the National Association of State Park Directors at its September meeting, held in Annapolis, Maryland. Ed.)

MEET YOUR NEW PRT COMMISSIONER



MRS. LOU GRANT of Aiken
Representing the Third Congressional District

135 Cherry Hills Drive
Houndslake
P.O. Box 2613
Aiken, S.C. 29801

- A past Vice Chairman of Aiken County Democratic Party.
- Currently on Aiken Technical College Foundation Board.
- Member of Palmetto Women's Cabinet.
- Founding and Charter member of Rose Hill School of Art, Aiken Civic Ballet and Aiken Playhouse.
- Has served as Board Member of United Fund, League of Women Voters, and S.C. Women's Golf Association.
- Attended Carson Newman College and University of Tennessee
- Operated own real estate business for several years; now Real Estate Broker associated with Lyon-Croft-Weeks Agency of Aiken.
- Widow of the Late George H. (Buck) Grant, former member of the House of Representatives and Trustee of USC. Mother of two children, Bucky, recent graduate of Wofford College, where he will be on staff next year; and Kelli, who will be a sophomore in Architecture at Clemson this fall.

TIGHT TIMES

Last November during the Superintendents' meeting there was a great deal of discussion on the tight budgeting restraints facing the Parks Division. The concerns proved to be real and many parks felt the reductions in seasonal employees and general reductions in spending. The following information will give you a general picture of the reasons behind the problems.

To staff the parks with the same number of seasonal employees as were used in the summer of 1980 would have cost approximately \$671,000 for this summer. This was a \$134,518 increase over the expenditures for the 1980 season.

Payments from the 0213 account cover water, sewage and power bills. In fiscal year 1979-80 it took \$650,000 to cover this account. This year (fiscal year 1980-81) it took \$745,303 to cover the same account or an additional \$95,303.

The 308 account that covers gasoline and motor vehicle supplies needed an additional \$41,558 to cover the expenditures this year.

These three examples are representative of the general cost increases that result in cut backs in seasonal employees and tighter controls over other spending.

To make matters worse, our revenues were down this year. The revenues for each year are estimated before the year begins and these estimates are added into the budget. When the revenue does not reach the estimated level, times get tight.

The State Legislature provides about \$2,831,482 in appropriated funds to the Parks Division but the Division needs about \$7,769,000 to operate. The difference (about 4.9 million dollars) must come from revenues.

The fiscal year 1980-81 is gone and we are into a new year. Prices are still going up although not as fast. I have estimated that the utilities will increase about \$105,000 over last year. There will be many increases in other areas. The Legislature will not be providing additional funds to cover the increases so the Division will have to cut back in some areas to cover increases in other areas. The Division has limited control over expenditures for utilities and gasoline. We can only strive for conservation to keep down the expenditures. Salary increases are set by the Legislature so the Division has little control over these expenditures.

The expenditures that the Division does control must be adjusted to cover the expenditures over which there is limited control.

You can expect this year to be a tight one. There will probably be more cuts in seasonal positions and few equipment purchases.

The Division has to live within its budget. The budget is a combination of appropriated money and revenues. The appropriated funds is a known account, the revenue is an estimate and includes a lot of hope. We are somewhat like farmers, gambling on weather and many unknowns. When the weather is good and the visitors come, we harvest the benefits. If the weather is bad and the visitors stay home, we tighten our belts. It looks as if we will tighten our belts another notch or two this fiscal year. We will do the best we can with the available funds and we will plan and hope for good weather come Spring.

Charles Harrison
Chief of Park Operations

DIRECT COMMUNICATION

In the last issue of *Park Lites*, Charles Harrison wrote on indirect communication and how the visitor forms opinions of your park and the Parks Division based on your actions, attitudes and appearance. Direct communication, on the other hand, is the verbal understanding that takes place between two or more people. Direct communication between the park employee and visitor occurs daily and is essential for positive relations for the park and you as an individual.

Communication can be defined as the understanding created between two people. The four basic elements of communication are the sender, the message, the receiver, and the environment in which the message is sent. Each of these elements exist when a message is passed on from one person to another in direct communication.

As a sender of a message in communication, it is our responsibility to be sure the receiver understands our message as we intend it to be understood. Our choice of words and the way we phrase them constitute the first step in verbal communication. Tone pronunciation and speed of conversation will all affect the meaning we are trying to pass on through our words.

As a receiver of a message in communications, it is our responsibility to listen and understand the meaning that the sender is giving through his words. The sender should never assume the receiver is reading between the words; the receiver should never assume he understands what the sender is saying by reading between the lines.

Listening is the role of the receiver and is more than just hearing. It is obtaining the meaning from the sender. How often do we hear someone talk, yet half an hour later not be able to recall what was said? The receiver conveys to the sender that he is listening by being attentive, maintaining eye contact, responding appropriately to what has been said and finally by asking relevant questions.

By asking questions the receiver clarifies the communication process. Questions will assist the receiver in: (1) learning the feelings of the sender, (2) clarifying perceptions, (3) interpreting meanings, and (4) validating observations. Validation in communication is essential to assure that the same meaning is understood by the receiver as the sender intends. The receiver validates communication through such questions as "Are you telling me. . .?"

Research has shown that 65% of communication is nonverbal and 35% is verbal. Our environment and gestures are factors which contribute to the communication process.

The ranger's image is enhanced when he initiates friendly public contact. To do this you should extend your range of interests and learn to talk to visitors about a subject which you both have in common. One of the best subjects of common interest is the park. The visitor is there because he has an interest in the park. You are there primarily because the visitor is there. Talk begins between the two of you but you must be sure that communication is the end result.

Joe Laferte
Administrative Assistant

SAFETY ALERT

Eye safety is a good idea. Ninety percent of all eye injuries are clearly preventable by taking simple protective measures, such as wearing safety glasses when needed. Learn to take special precautions when necessary in potentially hazardous situations.

Safety Glasses — Whether at work, home, or play, most eye injuries can be prevented by wearing specially protective eye gear. The impact-resistant lenses of your sunglasses or prescription glasses are **not** adequate protection. Even though industrial hazards are now well publicized, learning to be aware of eye dangers elsewhere and wearing the appropriate safety gear when needed is important to protect your eyesight.

At work — It is important to use the right eye gear for the job, to protect you from flying particles or sparks from power equipment and other tools, harsh chemicals, fumes, or airborne particles, and intense light rays.

At home — Safety goggles, which are available at most hardware stores should be used when working in the house, yard, or home workshop to protect you from flying objects, harsh sprays and fumes, cuts and penetration of the eye.

At play — Eye injuries caused by recreational activities are becoming more common. Use safety gear especially designed for your activity, available at sporting goods stores, to protect against sunlamps, snow blindness, and fast moving balls.

First Aid — For Foreign Bodies in Eye

Do not try to remove a particle from your eye unless you are sure it is just a minor irritant like dust or dirt. If there is any doubt, seek medical attention.

Do not rub your eyes or use dirty fingers to remove foreign bodies.

Small particles can also be dislodged by pulling the upper eyelid out and down over the lower lid.

If you can see a particle floating on your eye, you can try to remove it with the corner of a clean handkerchief.

By spreading your eye open with thumb and forefinger and pouring in tap water, you can often wash out a particle.

WARNING! If these simple self-help measures don't work, if irritation or pain persist, or if you later see something unusual on your eye, call your doctor for help.

CHEMICAL BURNS

Many household and industrial chemicals are extremely hazardous and can burn the eyes' delicate tissues in a few seconds. Tight fitting goggles are essential when working with dangerous chemicals, and goggle ventilation should be matched to the form of the chemical that you use.

On the job put your goggles on *before* handling strong acid or alkalis. Know where faucets or eye wash fountains are located. If you work with harsh chemicals, contact lenses should not be worn without protective goggles because these substances can become trapped under the lens.

At home, before using oven cleaner or other harsh sprays, check which way the nozzle is pointed. Keep windows open for good ventilation and use goggles if extensive spraying is necessary. Make sure to keep all chemicals out of the reach of children.

WARNING! Chemical burns are true emergencies. If you don't get water in the eye within seconds, permanent damage may occur. You should go to the nearest emergency room *immediately* after washing the eye thoroughly. Knowing the nature of the chemical will help your doctor treat you. If possible, take a sample or description of the chemical with you.

First Aid — Immediately flood your eyes with the first available water - seconds count! Don't waste time looking for antidotes.

Spread eyelids open with thumb and forefinger, or pull lower lid down to help get water in.

Use water from faucet or eyewash fountain - wash the eye, 15 minutes for acids and 30 minutes for alkalis (when in doubt, wash longer).

Get medical help!

LIGHT BURNS — Certain kinds of light can cause eye burns unless you use appropriate eye protection. Intense radiation from welding can cause painful burns to the cornea.

Do not look at the arc of a welding torch. Welders must wear eye protection specifically designed for their work. Others near by should wear tinted eye gear or turn *completely* away from the arc of the welding torch so that there is no chance of an eye burn.

First Aid — The effects of a corneal light burn will not be felt until 6 to 12 hours after exposure. Symptoms include the feeling of having sand in the eyes, pain, blurred vision, and an unusual sensitivity to light. If this happens, keep your eyes closed and call your doctor. Corneal burns will usually heal in a few days.

OTHER EYE INJURIES

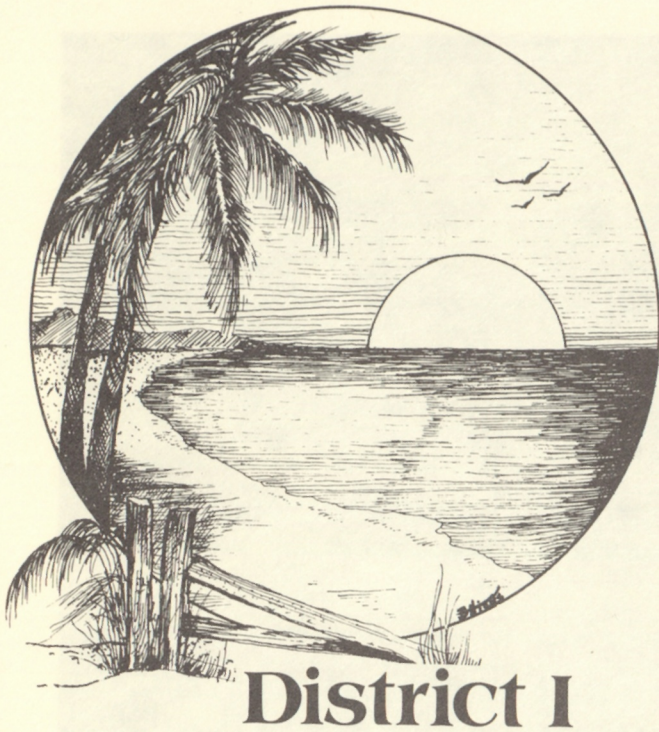
Black Eyes — An ice pack can help reduce swelling and in a week or so, the black eye will fade and disappear. If double vision, vision loss, blurred vision, or any increasing or persistent pain accompanies a black eye, see a doctor as soon as possible.

Severe Blows To The Eye — If there is any doubt about the severity of a blow around or directly to your eye, call your doctor or go to the emergency room at once. Do not rub, wash, or apply pressure to the eye. Cover it loosely and get medical attention quickly.

Cuts — A deep cut of the eyelid or especially of the eye itself should receive medical attention at once. Do not apply pressure to stop the bleeding as this may cause additional damage. Do not rub or wash the eye. Loosely cover the wound and go to the nearest emergency room immediately. If possible take the object or materials that caused the injury with you.

Reprinted from the "Safety-Pen"

Edmond J. Brown, Jr.
Safety Coordinator



District I

All in all, the district has enjoyed a good season and district employees can be proud of a job well done. I hope all of you will join me in looking toward the future with a positive attitude. Decreasing budgets, rising inflation and other challenges have not disappeared, but all can be overcome by positive thoughts, positive actions, and team work. Give yourself a mental pat on the back and keep smiling — the best is yet to come!

Charles Towne Landing — According to Robert Badger, Public Info Specialist, there has been a significant increase in the number of out-of-state visitors in recent months. Weddings in the park's wedding garden have been popular, averaging one a week. Several large company picnics have been booked for the coming fall. I would like to take this opportunity to welcome the new employees that have begun working since the last Parklites. There have been many changes in personnel recently as the park has once again begun to utilize A-2 employees.

Colleton — The park crew has completed a wooden fence around the new lift station for protection and aesthetics. However, like other summers, Robert Sullivan and groundskeeper Dopson have spent most of their time cutting grass and doing general park work. The sewage plant has been advertised for sale, but is still in place at this time.

Edisto Beach — Edisto has had an exciting and busy summer with many unusual incidents, not the least of which was a newborn infant found by a lady camper in a campground shower stall. The baby was sent to Colleton Regional Hospital and nicknamed baby Eddie by the park staff. The baby has been put up for adoption and no information on the mother has been found. Tile work is complete on the hill top restrooms. Welcome to new Ranger Thomas Wooten Marshall. Tommy is the grandson of the late Tom Wooten, former state park superintendent.

Givhans Ferry — I would like to welcome Ranger Michael Limehouse and wife Terri. The maintenance crew is presently in the process of renovating cabin #4, and it is really looking fine.

Hampton Plantation — The park has enjoyed quite a few visitors this summer. New signs just put up by the State Highway Department on Highway 17 have already improved visitation. The Highway Department is also in the process of cutting trees and widening the road on the Germantown side of the park.

Hunting Island — Day use traffic at Hunting Island appeared to be somewhat down this year because of the unfinished roads and restroom facilities. We feel, however, that the completion of the three new restrooms now being constructed and paving of the new roads will increase the day use greatly. Welcome to Clerk Mary Sheppard, PMA Mike Hunt, Ranger II Mike Hoofman and his family. Mike Hunt was promoted and transferred from Myrtle Beach and Mike Hoofman from Lee State Park.

Huntington Beach — At the present time the park crew is already making preparations for the 6th Annual Atalaya Arts and Crafts Festival on September 18, 19, & 20. Music concerts in Atalaya have proved to be most successful this summer. One of the bluegrass groups performing was the Southern Land and Cattle Company from Orangeburg. The north area restroom, parking, and jetties are becoming more popular each week. One picnic shelter was blown down during a recent storm, but has already been rebuilt by a local contractor.

Myrtle Beach — The campground has been full at Myrtle Beach almost every night since the last writing. Not until mid-August did we have any vacancies in this campground. Tropical Storm Dennis and his rains sent campers flocking to the registration building for refunds. By lunch time over one thousand dollars in refunds had been given for camping. I would like to welcome Ranger Arthur Vick and his wife Gail to the park. Arthur was previously a Ranger at Rivers Bridge State Park. Also, congratulations to Ray Stevens on his promotion to Maintenance Mechanic.

Old Dorchester — The park is now tied into the Summerville wastewater treatment plant, thanks to the installation of new sewer lines and a lift station. The park has also been switched over to city water. Thanks to the park Maintenance and Engineering staffs for the improvements. Welcome to new park resident Miss Renee Michaels. Renee will be living with her father, Ranger Ken Michaels, and attending Summerville High School.

Rivers Bridge — A new chlorine system was added to the swimming pool shortly after opening for the season. The gas system has been replaced with three dry chlorine canisters hooked up to the filter system. The units are working beautifully and the dangers of gas leaks and the transportation of gas tanks to and from Orangeburg have been eliminated.

Larry Duncan
District I Supervisor

IN THE SPOTLIGHT

Edisto State Park comprises nearly half of the beach front on beautiful Edisto Island, mid-way between historic Charleston and Beaufort, South Carolina.

This semi-tropical park located on one of the larger islands has 1,225 acres of beach front, woods, marshes and creeks.

The park embraces thousands of palmetto palms, sand dunes, sea shells in abundance and petrified prehistoric fossils along its two miles of beach.

In the park area about a mile from the Atlantic Ocean is a virgin forest with oak, palmetto palms, laurel cedar, cypress and gum trees that provide a natural refuge for deer, small animals and more than a hundred species of birds. About five miles of unpaved road through the forest offer excellent hiking trails and birdwatching routes.

Indian mounds are scattered across eastern North America in the uncounted thousands. Although most mounds are earthen, the first mounds were formed with seashells. Shell mounds, rings and middens are located along the coast of most southeastern states. It is not known if these shell mounds were used as burial grounds, ceremonial sites or as refuse heaps. It is possible that some mounds served all three functions.

The South Carolina Institute of Archeology and Anthropology has recorded ten prehistoric sites on Edisto Island. The hiking trail terminates at one of the four sites located on the park. The site, which has been partially eroded by Scott Creek, is known locally as "the mound."

A short distance northeast of the mound is a depression reported to be the remains of a rumrunners cave. During the prohibition era ships from the Carribean slipped into these quiet inlets to unload their illegal rum under cover of darkness.

The island offers an excellent beachcombing area for professional or amateur shell or fossil collectors. Each year the sea washes up new fossils and shells and driftwood for the picking.

The sea, marshes and creeks at the park are teeming with delicious shrimp, crabs and fish. Good fishing spots in a creek bordering the park offer excellent locations to drop in a line for sheepshead, whiting, spots, bass and trout.

The park's beautiful beach offers surf fishermen excellent places to cast out for bass, trout, whiting, drum and sheepshead. The best surf fishing months are September, October, November, February and March.

For camera and history buffs Edisto Island is a paradise. Some of the oldest plantation homes in South Carolina are located here, and many of the owners will permit visitors to tour the beautiful homes. Nearby are exquisite island churches that pre-date the American Revolution. The charming white churches with red roofs framed by Spanish moss from live oaks are excellent subjects for painting or photographs.

Interesting holiday side trips from this park can be spent at Charleston, the state's oldest city, and historic Beaufort. Both of these cities have well-marked history trails that unveil the splendor and grand heritage of South Carolina.

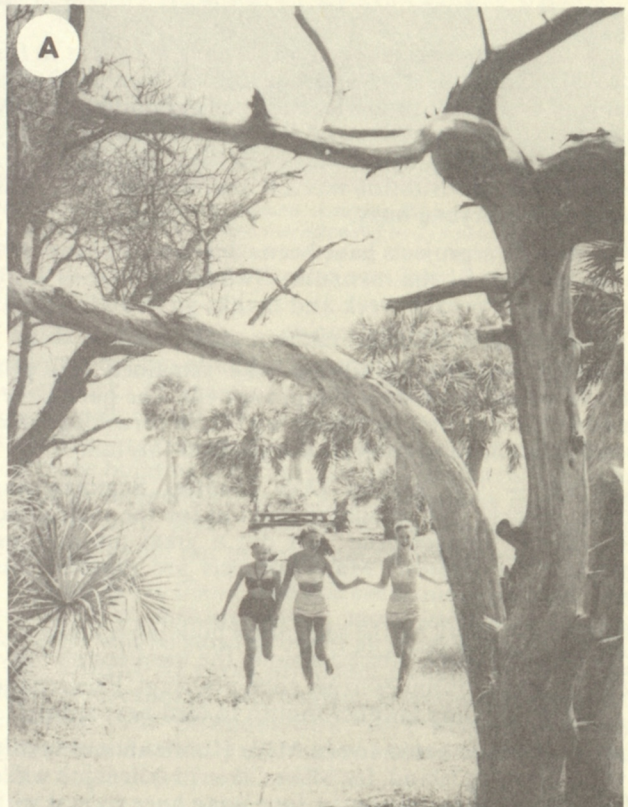
Facilities available at the park include a seventy-five site camping area, five vacation cabins, picnic area, play area and ocean swimming.

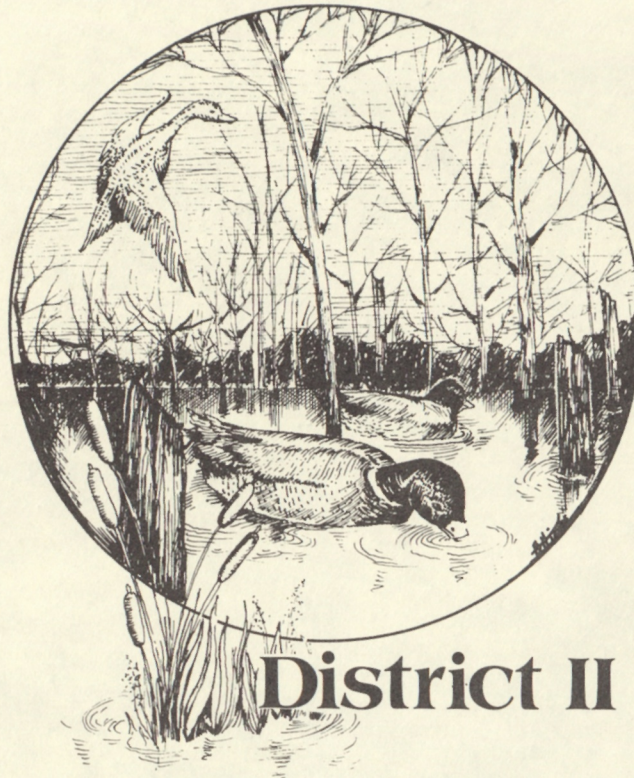
Personnel on duty at Edisto Beach State Park include Kurt Becht, Superintendent; Charles Hatfield, Ranger II; Frances Fowler, Ranger I; and Thomas Marshal, Ranger I.



Photos on facing page: (A) - Where are they now? These young ladies were certainly having a good time when this photo was taken at Edisto Beach, probably in the late 40's or early 50's. (B) - Fishing at Edisto is as much fun now as it was back in 1953 when this photo was taken by the late C. West Jacobs.

EDISTO BEACH STATE PARK





District II

Now that the project proposals have been sent in for approval, Fall must be approaching. I would like to welcome Edwin Small and Tim Ravenell at Poinsett, Randy Jackson at Little Pee Dee, and Richard Smith at Lee. My thanks to those employees who gave their best effort this season. Although visitation was less, maintenance and grass cutting kept everyone busy.

Aiken — Few projects have been completed this summer except for general maintenance. Swimming lessons were offered four days each week and thanks go to Judi Nesbitt for her hard work and dedication.

Barnwell — The swimming lake remained full this summer, which was a major improvement. The park crew was able to do some painting and underbrushing, and several beautification projects are planned this fall.

Cheraw — The second Deer Hunters Seminar was another success. Ted Williams filled in for the instructor, who was ill. I understand Ted did a great job and we appreciate his interest. Many projects are planned this winter.

Goodale — Work on the recreation building is underway and is creating much interest among the local community. The golf course continues to get good use. Supt. Priester and wife are anticipating another mouth to feed next spring!

Lee — We sure hated to see Mike Hoofman and family leave for Hunting Island, for Mike did an excellent job while at Lee. The NCHA campout in June was a huge success with many compliments from the attending campers.

Little Pee Dee — The fishing boats are being rented through a pipe safe located near the dock. Although it is an honor system, the park crew is monitoring this closely during the experimental stages. The campground is scheduled to be rewired soon by the construction crew.

Lynches River — In the last issue I reported on the pool not being open yet and this report is no different. The latest setback has been the high iron content in the water, and a filter system is being planned at this time.

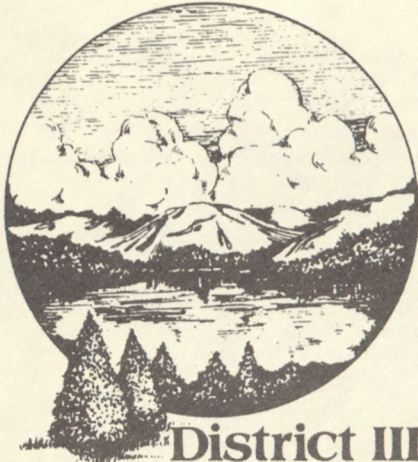
Poinsett — The renovation of the residence is complete now, thanks to T.M. and Charlie for their excellent work. A new water system was recently installed to serve this house. The first Volksmarch was held at the park this summer. The park crew worked very hard to prepare for this event.

Redcliffe — The park crew has been busy each Sunday showing off the mansion. The roof has been painted by the park crew and adds to the beauty of the house.

Santee — The Tackle Shop roof had to be replaced in July. Everyone got out at day break and completed the job without any problems. Shrubs have been planted around the Trading Post since it was moved. Cabin use remains high in spite of many cancellations. The Big Daddy Fishing Tournament was recently enjoyed by all who attended.

Woods Bay — The new Interpretive Center is on the drawing board and we eagerly await construction. The park crew has been busy cutting grass and leading nature walks.

Van Stickles
District II Superintendent



Caesars Head — Chevis Wald has finished the rock wall into the upper parking area. T.M. Shuler and Charlie Hatfield came up to give Chevis a hand building a walkway shelter that will be used by area craftsmen at work. A redwood backdrop for the shelter stage and a fence have also been added that are both attractive and useful. Bill Bullard and crew have been busier this year with attendance and revenue well above that of last year. Several concerts have been held as well as the second annual Scottish Fling. Senator Strom Thurmond, his wife and children visited Caesars Head State Park on Thursday, August 20th. They enjoyed the view from the overlook and bought some items in the store. The Thurmonds were staying in a privately-owned cabin near the park.

Croft — The swimming pool has been the hub of activities again this year with crowds on weekdays as well as weekends. Several horse shows have been held this summer with many more booked for this fall. Bids are to open soon on an enclosed cooking shelter that is to be built near the pool. This will be just another reason for visitors to enjoy themselves at Croft State Park.

Keowee — John Rhodes and Bill Bowen have been busy this summer doing quite a bit of site work in the new campground. The campground should be ready for campers by spring and will be a welcome addition to Keowee. This along with the meeting house is sure to keep the park crew busy.

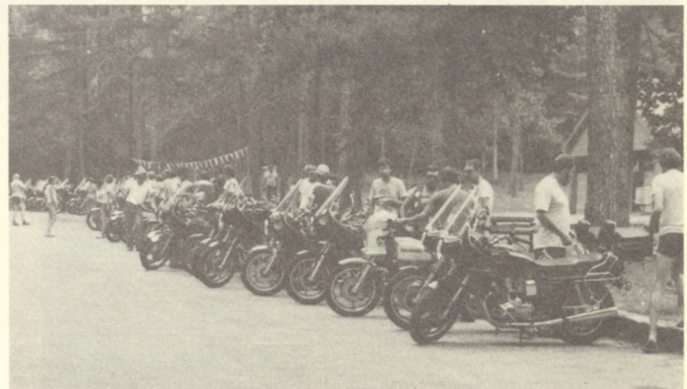
Oconee — The regular heavy summer crowds are keeping everyone busy at Oconee. Friday night square dances are still the most popular activity in the park with softball running a close second. As most of you know, Louie Ridley retired effective this past July and was missed all summer by park visitors and park crew alike. I'm sure that Louie is enjoying his retirement but misses his work at Oconee as well.

Paris Mountain — This is the first summer since my arrival in District III that Paris Mountain has not been short personnel most of the summer season. Shelter rentals and camping are still doing very well with swimming on the decline. Eddie has gotten the planting bug and is still putting plants in the ground. In several years Paris Mountain will show more evidence of the hard work everyone has put into getting these plants started than is noticeable today.

Pleasant Ridge — Po Folks restaurant held their annual picnic at Pleasant Ridge this year with hundreds of employees turning out to enjoy softball and many other planned activities.

Rose Hill — The exterior work, now complete except for some touch up, makes the park more beautiful than ever. Many weddings and reunions are being held at Rose Hill, which proves you don't need a swimming area for people to enjoy themselves. A brick walk to the restrooms has been added by the park crew and a brick wall completed by contract. Each time an improvement is made around the mansion, I can't wait until another is completed. Anyone interested in history could spend hours at Rose Hill looking at the antiques and wondering what life was like living at Rose Hill during the period from 1865-1900.

Sadlers Creek — In my opinion, attendance has been down at Sadlers Creek because of the low lake level. The lake level did not hamper day camp activities at the park with many handicapped children enjoying themselves each day. I observed these children at play several times and thought how fortunate everyone involved is to have someone interested enough to dedicate their time in helping others not as fortunate as themselves. My hat is off to those people that conduct these day camps each year at many of our state parks.



This National Camp-In of Lemans America (Suzuki Owners) held July 8-12 at Table Rock State Park was attended by 118 people from 22 states (plus Ontario, Canada!). Those attending were highly complimentary concerning South Carolina in general and Table Rock State Park in particular.

Table Rock — This summer has been a special one for everyone that has attended Saturday night square dances at Table Rock. In years past, the White Oaks Shelter has served well for dances but the new barn is an added attraction for everyone. Several special programs have been held in the building and I am sure ones held in the future will be just as successful. The YCC program was most helpful this year with many projects being accomplished that ordinarily would not or could not have been done.

I would like to thank each and everyone in District III for their part in making this a most successful summer. Activities will be slowing down as schools start up again, giving District III parks personnel a chance to catch their breath before the fall color change. Many parks families will be taking their vacations now, so I wish them a most enjoyable and safe trip. Should your vacation bring you up in this area, stop by and say hello.

Horace W. Craig
District III Superintendent

IN THE SPOTLIGHT



A pleasant surprise awaits the visitor upon his first trip to Paris Mountain State Park. Located only eight miles from the bustling city of Greenville, this 1,275 acres of rugged mountain country is in sharp contrast with its immediate area.

Directly north of Greenville on Paris Mountain, the park is just off S.C. 253 and U.S. 25 in a heavily populated area. Once you enter the park the busy world is left behind, almost as if the dense forest has set up a thick green barrier against the outside intrusion.

The following facilities are located in the 500 acres of the park that have been developed: a group camp, a cozy amphitheater set against a hillside, three lakes, several picnic areas, and a 50-site camping area. Spacious sites have individual water and electrical hookups, tables, grills and food chests. In the fenced portion of the camping area are the sites of two circular charcoal kilns and eight graves!

A paved road connects all areas of the park is excellent for hiking, bird watching and nature studying. Along its route you might try to identify the 73 different trees and shrubs and 25 species of birds that have been seen in the park. There are five varieties of fern alone and the birds range from the red-winged blackbird to the red-eyed vireo.

An attractive foot bridge supported by stone pillars greets the park visitor as he enters the park. Built more than 40 years ago, it is a favorite spot for young and old alike. There are several swiftly-moving streams in the park, one of which wanders through the Sulphur Springs picnic area. This is the main day-use area at the park. Located in a valley at the site of an old sulphur spring, the area has a campfire circle, numerous picnic tables and two large picnic shelters on the wooded hillsides. Nearby is the field archery course built and maintained by the Greenville Archers. A number of organized archery shoots are held during the year on this course, which is open to park visitors.

PARIS MOUNTAIN STATE PARK



Newly constructed picnic shelter near completion. Photo taken April 29, 1954 by Walter Ahearn, now Staff Director with the State Forestry Commission. One of the men in the foreground is Eddie Miller, Superintendent at Paris Mountain. (The other gentleman is Mr. E.C. Pickens. Ed.)

One area of the park not usually seen by the public is Mountain Lake. Located in an undeveloped section, it is designed for primitive camping, and permission must be obtained from the superintendent for its use. It has its own lake for fishing, but swimming or boating is not allowed.

The main 13-acre park lake is fed by clear mountain streams and is used for fishing, swimming and rental boating. A sandy beach and wide grassy area in front of the bathhouse are excellent for sunbathing. The one-mile Lake Placid Nature Trail winds around the shore of the lake; a self-interpretive brochure is available to describe trees, shrubs and flowers. A four-mile hiking trail leads from the Sulphur Springs Picnic Area along a mountain stream to the top of Paris Mountain.

The Big Pine Natural Area at the higher elevations of the park has some outstanding specimens of Virginia pine. The vegetation in this 370-acre area is a mixture of mountain and piedmont species. Most of the area is covered by a mature hardwood forest. Trees in this area were damaged by an ice storm a few years ago and there has been some damage by the southern pine beetle. Protected as a natural area since 1935, this area is covered in a mature forest with the exception of a road and a hiking trail. The terrain is quite steep with some rock outcroppings and small streams.

Camp Buckhorn, the group camp, is located at the end of a winding road, giving the illusion of high elevation. The camp has cabins to sleep 42 persons, a kitchen-recreation building, a 3-acre lake for fishing, boating and swimming, and staff quarters.

Park personnel at Paris Mountain are Eddie Miller, Superintendent; David Blackwell, Ranger III; Edward Frasier, Ranger II; and Dennis Herron, Ranger I.



DISTRICT NEWS



Cooperate! What does it mean? Webster's dictionary defines it as acting or working together with another or others for a common purpose. Regardless of the number of personnel on a park, their cooperation with each other in the work to be performed results in making that park ready for the park visitor. Good cooperation will be evident in the park's condition. When assisting a park visitor or giving information, you are cooperating with a larger team. The attitude and assistance displayed, or information given, may lead the visitor to other parks in our system. In this example, we are cooperating in making the entire state park system more successful.

With tight budgets and personnel reductions, cooperation with other agencies and private organizations can be helpful. Several years ago, the Boy Scouts of America undertook a project to cut an eighteen mile hiking trail through both Kings Mountain State Park and Kings Mountain National Park. Through their efforts, the state and national park staffs, and the Youth Conservation Corps., this trail was completed; and on July 28, 1981, it was designated as the sixth national recreational trail in South Carolina. This cooperative venture resulted in a welcomed addition to the parks system at a very minimal cost.

In doing your respective jobs, remember that cooperation can be your best tool if properly used!

Chester — A new well was put in for the water system and the staff rewired a number of campsites.

Dreher Island — Construction of marina and related facilities are nearing completion. Work has begun on additional campsites, comfort stations, and picnic facilities.

Greenwood — Due to the low water table of the ground, a new well had to be drilled for picnic area four.

Hickory Knob — The lodging addition consisting of twenty motel rooms and two conference rooms is approximately sixty percent complete. The park staff and construction crew have been working on developing the sand traps on the golf course.

Landsford Canal — Contractors have begun construction of restrooms and a picnic shelter.

Charlie F. Parkman
District IV Superintendent



The Kings Mountain Hiking Trail was designated a National Recreation Trail at a ceremony held at the park on July 28. From left, Bob Baker, Regional Director of the National Park Service; Lew Cato, Superintendent, Kings Mountain State Park; Howard K. Hunter, District Scout Executive, Palmetto Area Council, Boy Scouts of America; Charlie F. Parkman, District Superintendent, PRT. (Photo by Joe Frank Watson)

THE KINGS MOUNTAIN HIKING TRAIL

In a ceremony on July 28, Bob Baker, Regional Director of the National Park Service, presented Lew Cato, Superintendent of Kings Mountain State Park and Mike Loveless, Superintendent of the Kings Mountain National Military Park with certificates from Secretary of Interior James Watts, designating the Kings Mountain Hiking Trail as a National Recreation Trail. Completed in 1976, this trail is fourteen to nineteen miles long, depending on which segments you walk and whom you ask. One unusual feature of this trail is the fact that it crosses both the national park and the state park.

The longest section of this trail on the state park was constructed by Boy Scouts from the district around Rock Hill. Over the last three years the trail was damaged by logging operations brought about by the Southern Pine Beetle outbreak. The State Parks YCC crew spent much of the summer working the damaged areas along the trail.

The trail at Kings Mountain joins the Table Rock Trail and the Hunting Island Boardwalk as the third state park trail to receive National Recreation Trail Status. The next time you go to Kings Mountain, be sure to take your hiking boots as Lew may want to show you around!

Joe Frank Watson
Chief Naturalist

WATER RESOURCES AND THE PARK

In a comparison of states, South Carolina rates as a wet state. Our rainfall is usually plentiful and our rivers, lakes, and swamps abundant. Perhaps this explains our indifferent attitude toward water resources planning. There has always been more than enough so we assume that there always will be.

The central feature on most of our parks is a water body. Where would Colleton be without the Edisto, Sadlers Creek without Lake Hartwell, or Woods Bay without the bay? The recreational benefits of water are unmatched. Swimming, fishing, and boating are extremely popular.

Water for drinking, washing, and cooking is one of the primary necessities for people. Most of the water used in our parks is groundwater from wells. Our only surface water treatment plant, at Hickory Knob, was phased out when the Park began receiving water from a community system.

"Pure well water" is generally considered unlimited in the Palmetto State, but recent experience is showing that this resource must be conserved.

Well water for the pool at Lynches River and residences at Woods Bay and Lee must be treated for removal of iron. Manganese, which does not present a health problem, is present in the new well drilled at Chester.

Locating wells with adequate quantities of water proved to be difficult at Greenwood, expensive at Keeowee-Toxaway, and impractical at Caesars Head.

Along the coast, saltwater is intruding into underground aquifers from the ocean, ruining wells in many locations. Different aquifers are encountered at various depths. One may be salty and the next fresh so care has to be taken when drilling not to cause a leak from one to the other that would contaminate the fresh water. The coastal areas also have "sulfur water" aquifers, the water from which can turn the stomach of any upcountry visitor! Fluoride levels are also high along the coast.

In many parts of the state, farmers are turning to irrigation to improve their crop yields in the dry years. As more and more tap into the groundwater supplies, water levels have been noted to drop.

All of these situations have caused the regulatory agencies to ask for more reporting and control. The Department of Health and Environmental Control must approve any new public well from a health and operation standpoint. The Water Resources Commission also has jurisdiction in certain coastal areas because of the limited quantity of fresh groundwater for a growing population. Huntington Beach has installed a meter to monitor the pumping on one of the wells in order for the Water Resources Commission to determine current underground withdrawal rates.

In southern Georgia, owners of artesian or "flowing" wells such as these at Aiken have been ordered to cap them because their constant flow was lowering the water table and wasting precious water.

The drier than usual weather for the last year or so pointed out to all of us how critical a continued supply of water can be. When the gate at Table Rock leaked more water than the drying up creeks could supply and when Clarks Hill Lake dropped below the intake structure for the Hickory Knob golf course irrigation pumps, PRT had to outlay both time and money that would have not been needed in wet years.

The use of water in South Carolina has been a private decision of landowners along a stream or lake and over a groundwater source. As our needs grow the situation calls for community decisions. Already the law recognizes that one individual does not have the right to pollute waters that others must use. Strict control has been placed over using the state's waters as dumping spots for sewage. The withdrawal of water for consumptive use is different.

In the eastern United States, water law is based on "riparian" principles derived from old English common law. The guiding premise is that a landowner is entitled to the full natural flow of a stream undiminished in quality and quantity. In other words, no owner can materially lessen or increase the natural flow of a stream to the disadvantage of a downstream owner. Reasonable use is allowed of water from a stream. Where water is ample, anyone can withdraw all he wants. Where the demand exceeds flow an equitable sharing must be developed.

In the west, where water is more scarce, the idea of appropriative rights governs water use. This idea, derived from the Spanish has been labeled "first in time, first in use." In other words, property owners can lay claim to a certain amount of water just as they laid claim to the gold fields during the gold rush. During a water shortage the earlier claims to the water are entitled to a full share even if the later rights are denied.

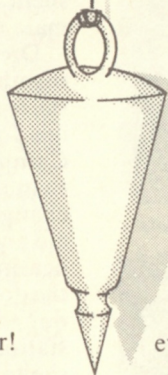
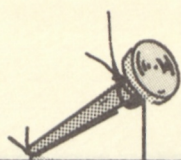
As South Carolina grows, the application of water law will become more important as new industries and spreading suburbs compete for use of the water.

Rural community systems are tying together hundreds of rural well users into networks of supply as population density becomes too great to support wells.

Old Dorchester is the latest park to tie into a community system, joining Cheraw, Caesars Head, Charles Towne Landing, Hickory Knob, Sesquicentennial, and Myrtle Beach.

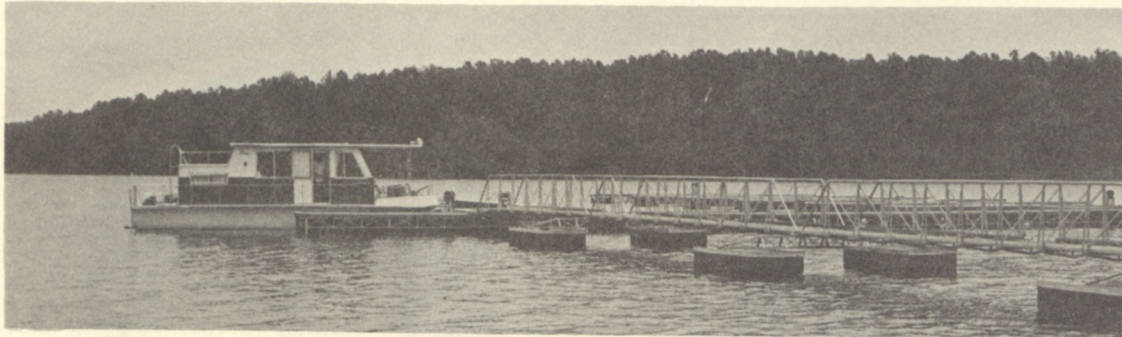
The future holds challenges for the parks in maintaining clean, safe drinking water supplies in addition to scenic streams and swimming lakes. From the marshes of Hunting Island to the newly acquired Raven Cliff Falls, water is an important key to the future of South Carolina parks.

Joe Barron
Engineering Coordinator



CONSTRUCTION NEWS

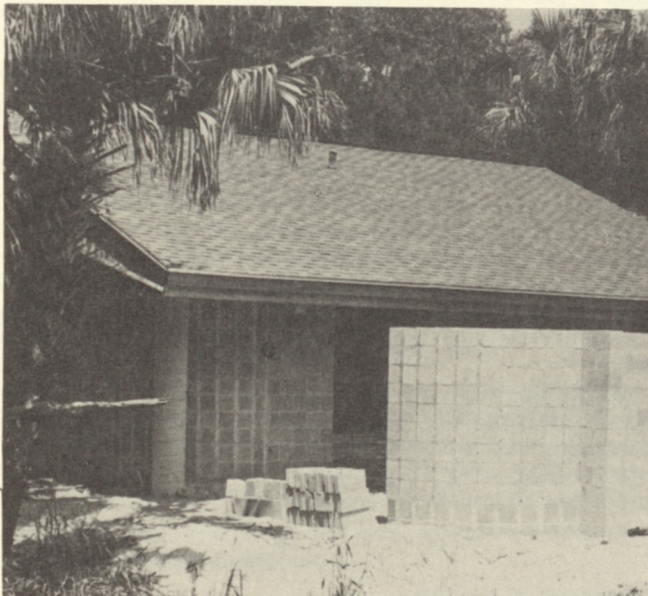
Floating docks/ Dreher Island.



Community recreation building/ Goodale.



Comfort station, office/ Dreher Island.



Comfort station/ Hunting Island.

Well, we are off and running, with construction moving along at a tremendous pace. The projects range in size from a recreation shelter to an Olympic size swimming pool and bathhouse. At Croft State Park we opened bids on August 18 for the pool complex recreation shelter. The shelter will be 42' x 27' with laminated wooded beams for the main supports.

Dreher Island Meeco Marina has completed putting together the 50 ship float docks and are now working on the stationary dock and running the electrical and water hook ups for overnight boat camping. R.S. Weeks Construction Company has completed the foundation work on the swimming area bathhouse project. The bathhouse will have change area and restrooms, basket and concession area, first aid and storage area. This will also be PRT's first solar water heating project. We are in hopes that this project will open the door to future useage of the sun for power and heating in our parks. Also included in the marina complex is a comfort station/office, two picnic shelters and a fish changing shelter. The general contractor on this phase of the marina complex was a local company from Newberry — Moose-Zipf. The above marina facilities should be in full operation by the time you receive this issue of *Park Lites*.

The notice to proceed on the construction of the eighty-site camping area including water, electrical hookups and roads was issued on August 17 and Bailey-Brazell Construction Company out of Easley has 90 days to complete the project. Included in the camping area will be three comfort stations and one recreation building which will be bid in early September along with two rest stations. The contract time on these buildings will be 90 days.

We have also started construction on the recreation building at N.R. Goodale, which will be 84' x 52' including screened porch and decking. The exterior will be lap siding, while the interior will consist only of a plywood finish. The building will have a kitchen, restrooms, and an assembly area with fireplace. The general contractor for this project is Tyler Construction Company out of Columbia.



Golf course/ Hickory Knob.

At Hickory Knob we are in the process of having Moore Golf, Inc. from Culpepper, Virginia put the finishing touches on the golf course construction project. Hughes Construction Company from Thomson, Georgia continues working on the additional lodging project which includes 20 motel units and 2 conference meeting rooms. Hughes Construction is also finishing up the Golf course maintenance shop, a 40' x 100' structure.

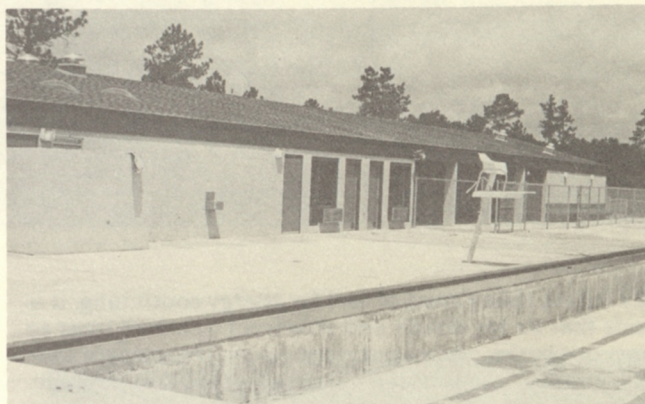
Mitchell Brothers Construction Company from Beaufort is working on the three new comfort stations at Hunting Island. These comfort stations employ a new design from our typical stucco wing structures, making them as maintenance free as possible. We are still waiting for funds to be freed up so we can complete the new entrance roads and parking area developments. The major area left to be completed is the new parking area behind the lagoon. If you have not visited Hunting Island lately, you're in for a treat.

Keowee-Toxaway's new 11 R.V. site and 13 tent site camping area is under construction. We have completed the clearing, rough grading and electrical and water hook-ups, and are now in the process of getting bids on roads, final grading and paving. We will be building an earth shelter comfort station there.

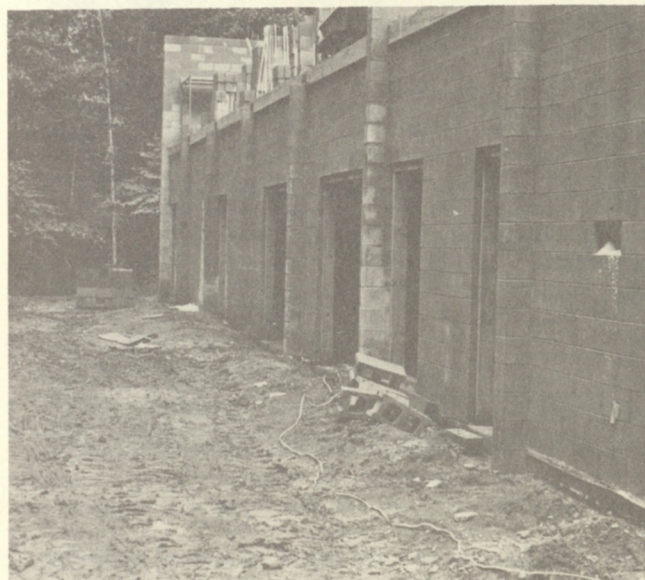
At Landsford Canal, we are building a stone veneer rest station and picnic shelters near the parking area at the entrance locks of the canal. The work is being done by Jabo Construction Company of Rock Hill. They are also building some stone chimneys for the log house which the History Section has been working on.

Last but not least, is the Olympic size swimming pool and bathhouse complex at Lynches River. This project was scheduled to be completed on August 18 but due to a high iron content in the water we had to delay completion of the pool until we could determine what type of filtering system would be required. We bid the paving of the entrance and existing roads and parking areas on September 15. As you can see by this report, construction work is "full steam ahead!"

Bill Lucas
Chief of Construction

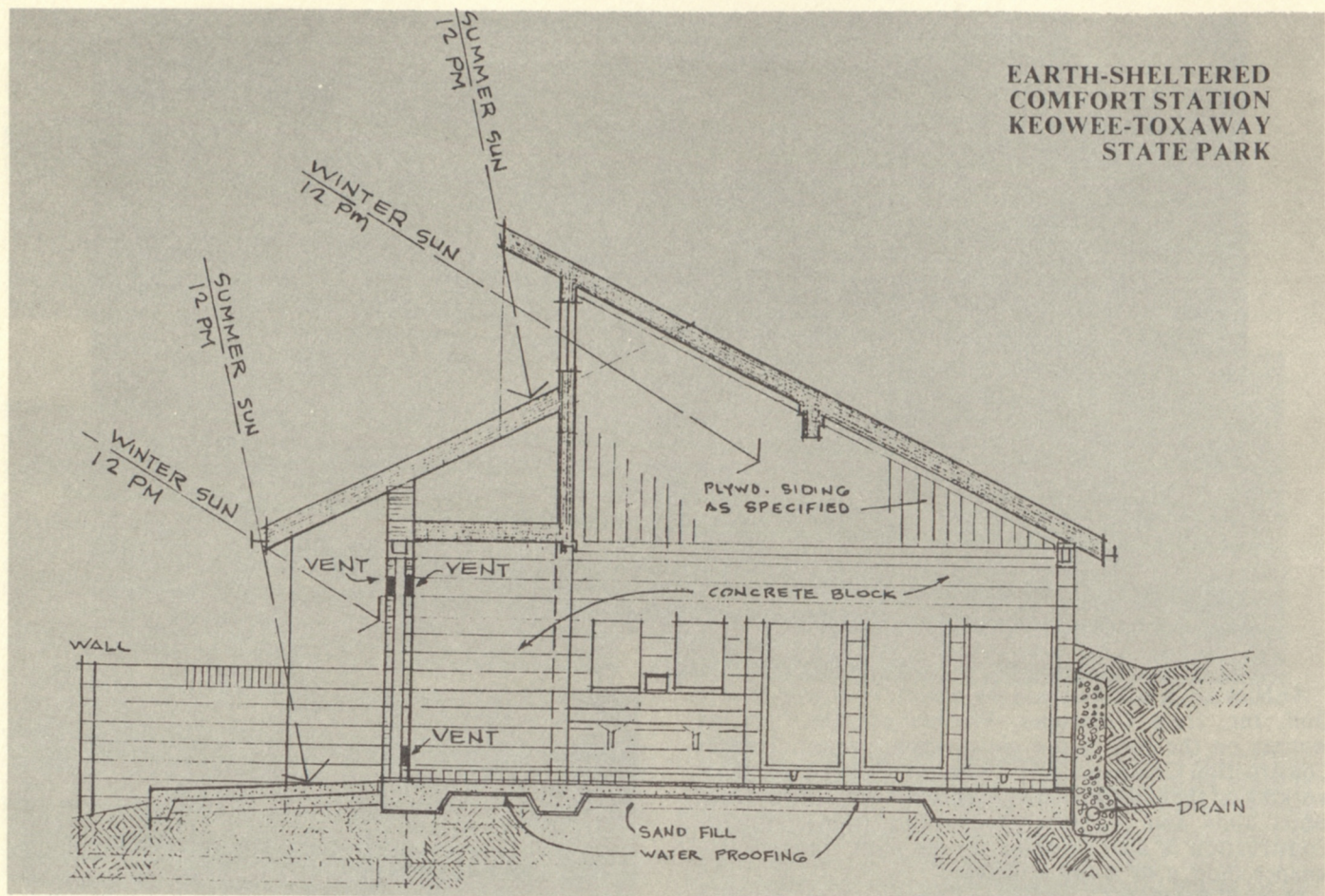


Swimming pool complex/ Lynches River.



Lodging construction/ Hickory Knob.

CONSERVING ENERGY BY DESIGN



With the rising costs of fuel for energy continuing, it is obvious that as we design and construct new buildings to support our parks, one of our most essential considerations must be to make the facilities as energy efficient as possible. For several years we have been doing some things as a matter of standard practice to conserve energy. As we perform renovations to our older buildings we always install insulation in the floors, walls, and ceilings if these buildings are to be heated and cooled.

We are now using either air-to-air or water-to-air heat pumps where possible.

One of our newest buildings, the marina office and restroom building at Dreher Island State Park will have a water-to-air heat pump. Instead of taking the water for this system from a well as is usually done, we plan to pump the water from nearby Lake Murray by using a pump mounted on the Marina dock. Another energy saver which we are beginning to employ wherever possible is the use of skylights to light restrooms. This has been done recently at Aiken State Park in a restroom that was built by PRT's maintenance crew. The new restroom at Caesars Head has clerestory windows and a light colored ceiling to reflect natural light and accomplish the same effect as skylighting.

The use of solar water heaters is another energy saver which may prove to be especially effective in our comfort stations where the demand for hot water for showers is great.

As we build or renovate, the use of insulating or double-pane glass is an important means of reducing heat loss in winter and blocking out heat in summer.

In some cases we have found that a significant energy savings and added comfort can be accomplished by using ceiling fans to re-circulate hot air trapped at ceiling level.

One of our most recent projects is an earth sheltered comfort station which will be constructed at Keowee-Toxaway State Park. This building will be oriented with the sheltered side facing north and the entrance side facing due south to take full advantage of the southern sun exposure during winter months. By using clerestory windows and wide roof overhangs, the building can receive maximum heat gain during winter when the sun angles are lower and minimum heat gain in summer when the sun angles are higher. This type of building design also takes into consideration the prevailing summer breezes from the south and the prevailing winter breezes from the north. Another design feature involves some strategically placed vents in the front cavity wall which should allow a convection type of air circulation as cooler air near the floor enters the lower vents and passes upward through the cavity to the higher vents and reenters the space in a circular motion.

Most of our attempts to save energy to date have been either in the integral design of the structures or passive design which avoids as much mechanical type heating or cooling as possible. While there is still much to be learned in the field of both active and passive systems, we feel that we must make every attempt, however small, to save energy. This attitude is reflected even in the homes of many of field personnel, who don't seem to mind chopping a little wood to heat their residences.

Archie G. Moore
Engineering Associate

A NEW VENTURE IN STATE PARKS

LAKE HARTWELL DESTINATION PARK

Plans for combining public and private interests into a new State Park have been made.

Being located on both sides of I-85 on Lake Hartwell near the Georgia State line, the park will serve as a "gateway" into South Carolina as well as a "destination" area. Master plans for this development consist of:

(1) A destination resort including lodging accommodations, golf courses, and an "action center" providing activities, events, convention facilities, shopping and services for overnight guests and day-use visitors; and

(2) general recreation facilities and campground facilities.

All needed lands for the park have been acquired and master planning along with conceptual design have been completed. Construction will be staged and governed by the availability of state and federal funds.

Money for the first stage — construction of primary roads and utilities — is now available. Bids have been taken for this portion, but, due to discrepancies with two of the bidders' licenses, all bids were rejected. A rebid procedure is now underway and a contract for this portion of the overall project is expected to be let before October 1, 1981.

William O. McMeekin
State Park Engineer

CABIN RENOVATION

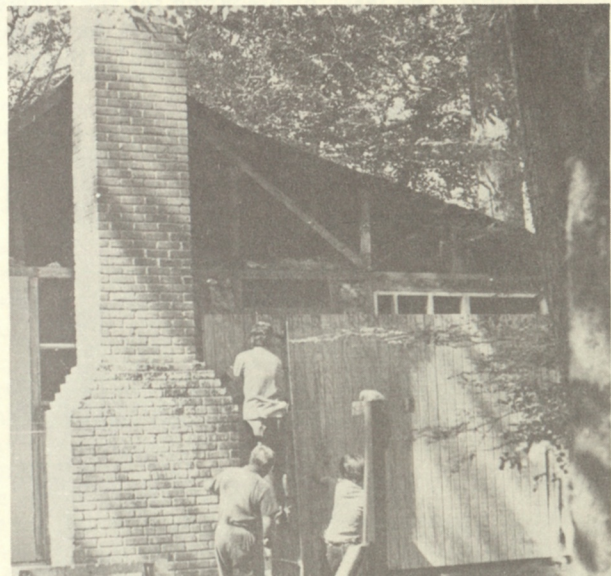
The rental cabin renovation work at Givhans Ferry by the maintenance section will soon be completed. The renovations have been planned to retain the comfortable rustic feeling that the CCC planners always seemed to design into their buildings. Large airy porches with wooden rockers overlook the lazy Edisto River, adding to the laid-back atmosphere.

The maintenance crews have shown a lot of initiative and good innovative renovation work to add bedrooms and modern components while keeping the original buildings basically intact. Some rooflines have been altered but blend in to the original rooflines so nicely they don't have that "tacked on look."

The public seems to enjoy these cabins as rentals have been increasing steadily.

When you are considering a restful week-end to recover after a long hard summer, don't forget to look at Givhans Ferry. It may be a very pleasant surprise.

Jim Work
Chief of Maintenance



PROGRAMS SECTION

The current projects of the Programs Section are numerous and can accurately be described as varied.

Historians Mike Foley, Ray Sigmon and Marion Edmonds have been developing master plans for Redcliffe and Hampton Plantation. Restoration work at parks such as Rose Hill, Hampton Plantation and Landsford Canal are in various stages of completion. The technical knowledge and expertise that Mike Foley has acquired in this area is certainly a bonus for the State Parks Division.

Ray Sigmon has been diligently working on expanding program services at the Kings Mountain Living History Farm. With the able assistance of Lew Cato's staff, Ray has planned and coordinated two "Homestead Weekends" featuring demonstrations in pioneer lifestyles and skills, music and games.

More to come at the Living Farm. *Much More!*

Dana Sawyer continues to make improvements in *Park Lites* in an effort to help **your** newsletter better serve you. Perhaps the least appreciated of services provided by Dana is the never-ending task of updating and reprinting the dozens of brochures offered by the Division of State Parks. It is unfortunate that the only time this task is noticed is when we run out of a brochure. All things considered, Dana has this task pretty well under control.

Much of Joe Watson's time has been devoted to coordinating Youth Conservation Corps crews at Kings Mountain, Charles Towne Landing and Table Rock.

John Reid Clonts was designated PRT's representative on the State Natural Resources Education Council. This group was created by Governor Riley for the purpose of developing a greater awareness and appreciation of the state's vast natural resources by the citizens of South Carolina, beginning at the pre-school level. The Council hopes to accomplish many of its goals by coordinating the efforts and services of all the various agencies that have responsibilities involving natural resources.

Phil Heydt has designed a new play area that will be located adjacent to the "Best Friend" interpretive display at Sesquicentennial. The tasks of preparing for the Atalaya Arts and Crafts Festival and Pioneer Days have been inherited by Phil, so the summer has been busy for him also.



Pioneer Days; Pickin' n' Singin'

DEPARTURES

Patricia Rhodes worked at Hickory Knob only 1½ years before she opted for matrimony and a move to Beaufort. However, in that brief period she made her mark on the park and its many visitors. The enthusiasm she has shown for her job is matched by very few. Thank you, Pat, for a job well done!

The pleasant voice that many of you have become accustomed to hearing when you have called Program Section has belonged to Jackie Wood. After eight years of faithful service, Jackie has been promoted and transferred to the Engineering and Maintenance Section. She will be missed by "her boys."

ARRIVALS

Linda Sloop is the new secretary for the Programs Section. Linda is a native of New Mexico and comes to South Carolina through an assignment in Uncle Sam's army. Welcome aboard, Linda!

PROGRAMS PAST

Bluegrass, folk, jazz, gospel and country music were among the many concerts offered this past spring and summer.

The Tenth Annual Big Daddy Fishing Tournament was held at Santee State Resort Park in August. It's difficult to believe that this has been going on for a decade!

A deer seminar was conducted at Cheraw, while Hickory Knob hosted its fifth deer seminar as well as an archery tournament. Meanwhile, the Scottish Fling continued to grow in popularity at Caesars Head.

By the time you receive this issue of *Park Lites*, the 1981 editions of the Atalaya Festival and Pioneer Days will be history. Good weather should bring record crowds for both events. It did! Between 15,000 and 20,000 persons attended the Atalaya Festival. While it was difficult to estimate the number of persons attending Pioneer Days, staff personnel agreed that we have at least twice as many people as in previous years.

PROGRAMS FUTURE

October 16 & 17	Fall Clogging Festival — Oconee
October 17 & 18	Foothills Trek — Oconee
October 17 & 18	Fall Color Walks — Caesars Head, Table Rock and Oconee
October 17	Bluegrass Concert — Table Rock
November 7	Home Energy Workshop - Table Rock
November 20-22	Hickory Knob Holiday Creations
December 12 & 13	Christmas Open House — Rose Hill

We always enjoy seeing state park families at many of our concerts and special programs, and we'll be looking for you at some of the above events!

Dan Turpin
Programs Coordinator

HISTORICAL HIGHLIGHTS — NUMBER 5

Augusta, Geo April 3, 1858

Hon. J.H. Hammond

Dear Sir

Since last writing you, I have almost finished the House for plastering. I have the windows & doors all cased and sash boards all down. Stair case up, and yet have to smoothe off the floors, put up hand Rail & Banisters to inside stairs, sash to put into windows doors to make and hand and Chimney pieces to make, the sycamore lumber is so badly warped and sprung that I am afrade I shall not be able to make moore than the principal Story Doors, and mantlepieces handrail & banisters, but I will make the most of it. I think I would have the lathing done the lathes will be much better nailed to those places than be laying out in the ground, I have had applications to it at 5 cts per yard, for the rest, I wait your orders. . . the atic Story I have done nothing but lay the floor, and case the windows, it is all in one large room, if you should wish it divided off into rooms ready for plastering pleas inform me, the observatory I have finished off, seated it, all around. I have done nothing to the Stair case from the basement to first Story, floor. I did not know your plan about this, if you can give me any orders about this please write them, I should be glad to hear from you. Please give me all you can, that you want done. I know you cannot tell as well as if you was here to see

Respectively yours
Wm H Goodrich

We also learn of changes or alterations that take place as in this excerpt from a letter to Emily Hammond from her husband Harry Hammond dated August 13, 1901:

"The carpenter is gone only the painters here Calsomin-ing. The lower hall a deep salmon, the upper Hall white, the boys room white, Katherine's green the SE room pale buff. Julia's room being scraped the Calsomine having failed where the plasterer filled in the cracks. The outside remains about as you saw it."

Hammond's Orchard and Vineyard Books reveal the types of trees and vines purchased and where he located his orchard and vineyard. He discusses his farm practice and grafting techniques. From the grounds and correspondence we are able to get word pictures of the gardens, crops and the landscaping of the grounds as well as Hammond's appreciation of the aesthetics as in the following instructions to Harry concerning the location of trees.

"I don't want any trees set out to break the view, except toward the East. Put the Chestnuts out that way. Divide the seeds (for the hedges) with Spann and try them in various places."

So far documentary sources have been discussed and limits of space prevent only the mention of other avenues of exploration used in telling the story of Redcliffe. When structure no longer exists, we depend heavily upon archaeological excavations for information. Often these are old family photographs available revealing structural changes. We consult all maps and aerial photographs for dwelling, outbuilding and field locations. We interview people who have ties to the site and record oral history.

Although research may be tedious and time consuming, the end result removes the guesswork and keeps one from making mistakes that could be costly not only fiancially but professionally.

Daniel Ray Sigmon
Historic Researcher



HOW WE KNOW WHAT WE KNOW

When state parks acquire an historical site, we often inherit with the property a lot of mysteries, half truths and unknowns about the property or its previous owners. Before developing a master plan for restoration or undertaking any type of interpretation, a great deal of time is spent trying to unravel these mysteries, dispelling the half-truths and finding answers to the unknown through historical research.

Time spent on historical research does not always receive applause, but is important and necessary before proceeding with a restoration/interpretation project as at Redcliffe Plantation. Redcliffe has been chosen as an example because a master plan for it is currently being done by the history section after an extended period of research on the house, grounds and the owners.

In the case of Redcliffe, we were quite fortunate to have an abundance of primary source material to draw from. The builder and first occupant of Redcliffe was James Henry Hammond, who was active in public life serving the state in various governmental positions during his lifetime. As a public figure we were able to document his political life through newspaper articles, legislative and congressional records, and his published speeches.

Hammond was also a very successful plantation owner and kept meticulous and extensive records in his plantation journals, orchard and vineyard books from the 1830's until his death in 1864. The family also saved a great amount of Hammond's correspondence, as well as that of other family members. Hammond's son, Harry, also kept farm records at Redcliffe from the late 1860's to the early 1900's revealing life on the plantation during the post-bellum period. The last owner, John Shaw Billings, was the great grandson of James Henry Hammond and in the tradition of the family was also a diarist and fastidious record keeper. But what good are all these records?

From the daily entries in the journals and the correspondence, we learn of the progress and construction details as in the following letters from the contractor of Redcliffe, William H. Goodrich to James Henry Hammond in Washington:

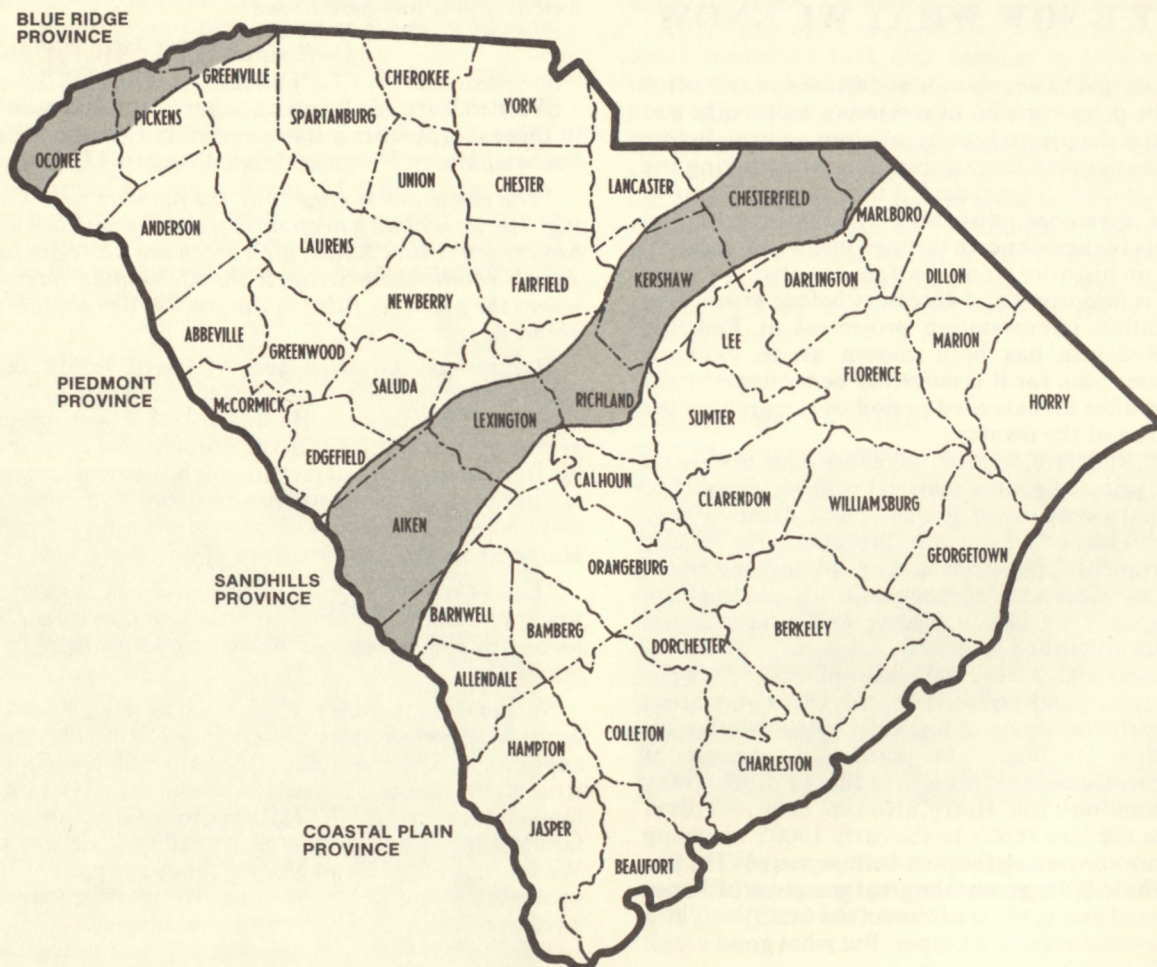
NATURALIST'S NOTEBOOK NUMBER 5

THE GEOLOGICAL HISTORY OF SOUTH CAROLINA

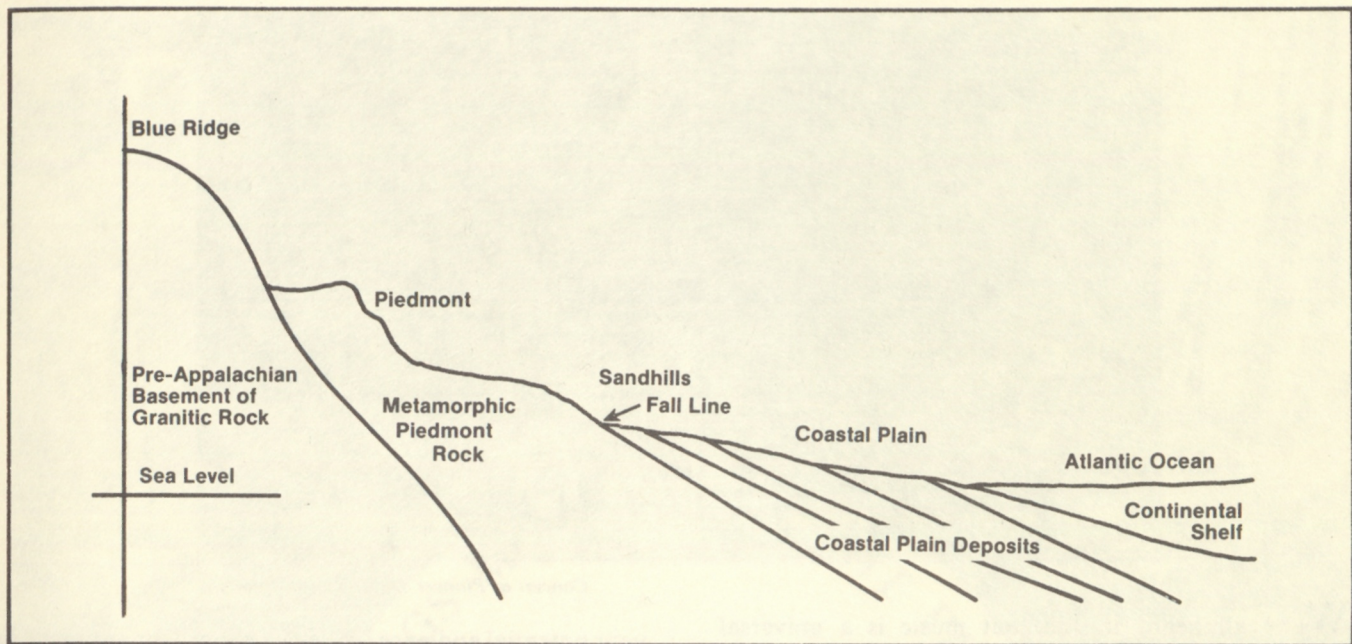
(Editor's Note: The author begins, with this issue, a look at the Natural History of South Carolina. Subsequent issues will highlight the features of each of the state's physiographic provinces.)

The natural history of South Carolina is that of an ancient and much altered state with exceptional diversity in her natural features. Not unlike most of the Atlantic Seaboard from Maryland to Georgia, the state may easily be divided into four physiographic provinces (regions which, when taken individually, show remarkable uniformity in origin and physical makeup.) They stretch across the state from west to east from the most ancient, the Blue Ridge; to the Piedmont; to the Sandhills; to the youngest, the Coastal Plain.

The Blue Ridge Province occupies only the northern and western portions of Oconee, Pickens and Greenville counties and generally includes all of the state's land mass higher than 1400 feet in elevation. The South Carolina Blue Ridge is a part of the Southern Appalachian Mountain complex, but when compared to mountains in neighboring states appear relatively small. Only six peaks in the state exceed 3000 feet in elevation and the highest peak, Sassafras Mountain, is only 3560 feet above sea level. Scientists speculate that the Blue Ridge began millions of years ago, as a "pre-Appalachian basement" of granite-type rock was laid down in the area of the present Appalachian Mountains. Completely submerged, it was not until the Appalachian Revolution, possibly a result of the collision of drifting continents, that the present Appalachian Mountain chain was pushed up. Centuries of deformation and folding along with occasional volcanic activity produced a broad, flat plateau which was then exposed to centuries of erosion. Weak materials eroded while resistant material remained to produce the steep-sloped, ridge and valley topography which characterizes the region today. The rocks of the Blue Ridge are largely gneisses and schists, derivatives of the granitic basement rock.



South Carolina can be divided into four physiographic regions (Blue Ridge, Piedmont, Sandhills and Coastal Plain). Boundaries indicated are only rough estimates and local extensions of each province are common.



A rough schematic diagram of South Carolina in cross section. All of the land mass west of the fall line was exposed during the Appalachian Revolution, as the Piedmont basement rock was tilted upward.

The Piedmont Province lies between the Blue Ridge and Fall Line in a southwest to northeast oriented band about 100 miles wide. Elevation in the Piedmont ranges from just over 1000 feet at the edge of the Blue Ridge to about 300 feet at the Fall Line. The Piedmont (which means "foot-hills") had its beginning along with the Blue Ridge. Volcanic activity and sedimentation built thick layers on the ocean floor to the east of the "pre-Appalachian basement." When the Appalachian Revolution pushed up the mountain ranges it also tilted the land mass of the Piedmont, pushing its western edge up and out of the Atlantic. Erosional processes began to cut the valleys which cross the Piedmont giving it its characteristic rolling land surface. Rocks of the Piedmont reflect a belted geological structure displaying periods of metamorphism. While similar in origin to the Blue Ridge rocks, these rocks have been much more frequently altered. Being less resistant, the Piedmont rocks have eroded away from the Blue Ridge rocks creating the sharp break between the two regions.

The Sandhills Province, a band of varying width, extends eastward from the Fall Line as far as 40 miles. Structurally a part of the Coastal Plain, the Sandhills range from approximately 400 feet at the Fall Line to about 250 feet at the Orangeburg Scarp, an ancient seawall or cliff marking its eastern edge. Underlain by rocks of the adjacent Piedmont, the Sandhills are characterized by deposits of sediment of both marine and terrestrial origin. The Sandhills mark the inland-most movement of the sea following the uplifting of basement rock during the Appalachian Revolution. Thick deposits of pure sand with scattered deposits of marine fossils characterize the Sandhills Physiographic Region.

The Coastal Plain Province extends from the Sandhills eastward to the Atlantic Ocean encompassing an elevation range from approximately 300 feet along the Sandhills to sea level. Topography is generally flat throughout the region, although a series of recognizable terraces does exist. Like the adjacent Sandhills, the Coastal Plain is characterized by a "basement" of rocks like those of the Piedmont, although the deposits covering them are considerably deeper than those of the Sandhills. The sediments and rocks of the Coastal Plain and Sandhills were laid down on this "basement complex," and are more shallow in the Sandhills where deposition has been most restricted. These deposits and their associated terraces were created as the seashore wandered back and forth across the state during the Ice Ages, a period when melting and freezing of large polar ice caps caused great fluctuations in ocean levels. Deposits in the Coastal Plain are largely marine and each new terrace reflects a period of migratory standstill when deposition continued unchanged for a considerable time period. The last of these terraces to be laid down is that region of more or less uniform elevation presently characterized by the presence of salt water marshlands.

From the mountains to the sea, the geology of South Carolina spans a great period of time and exhibits tremendous complexity. While the state's geology offers many opportunities it also imposes many constraints in the habitation of the environment by native vegetation and wildlife, a fact demonstrated similarly in our cultural history. Subsequent issues will address these factors.

MAKING A JOYFUL NOISE



Concert at Pioneer Days, Kings Mountain

We've all heard it said that music is a universal language, and there has probably never been a truer statement made. From the time we are infants, music becomes a part of almost every day of our lives. Some of us are active participants in making music whether through singing, playing an instrument or both. Others fill that musical void by purchasing records and going to concerts. Almost all of us tune in the radio to our favorite station each day to help the time pass or to provide a pleasant background to what we're doing.

It is because we recognize the importance of music that State Parks make every effort to use this important medium in bringing quality programming to park visitors. Whether it's bluegrass, jazz, gospel, classical, country or folk, the strains of familiar songs can be heard in many state parks throughout the year. We've learned that music can fit into almost any programming scheme and bring variety to any program. Music easily stands on its own as in the more than twenty-five concerts to be produced this year. Of course, music is the key ingredient in the weekly square dances held at Table Rock and Oconee State Parks throughout the summer months. The happy sounds of toe-tappin' bluegrass set the mood for special programs like the Fall Clogging Festival, Toys-For-Tots Square Dance and the Spring Hoedown. Music is also an important part of many other programs including the Atalaya Arts and Crafts Festival, Up Country Lifestyles and the front porch jam sessions at Pioneer Days.

In the course of putting together so many different musical events we've tried to learn a few things from the many mistakes we've made. Probably the single most important factor governing the success of any musical program is the quality of the group or individual performer. Goodness knows, we all have tight budgets or no budgets at all, and paying a large sum of money to one group is hard to justify. But there are groups and individuals out there who are good and looking for work. In most cases, how much you pay a group is negotiable, especially if there is not a great deal of travel involved.

Of course, it's very important to know what kind of audience you want to attract to your event. Different music attracts different people. Along with that goes the need to know what kind of music will enhance your event and what

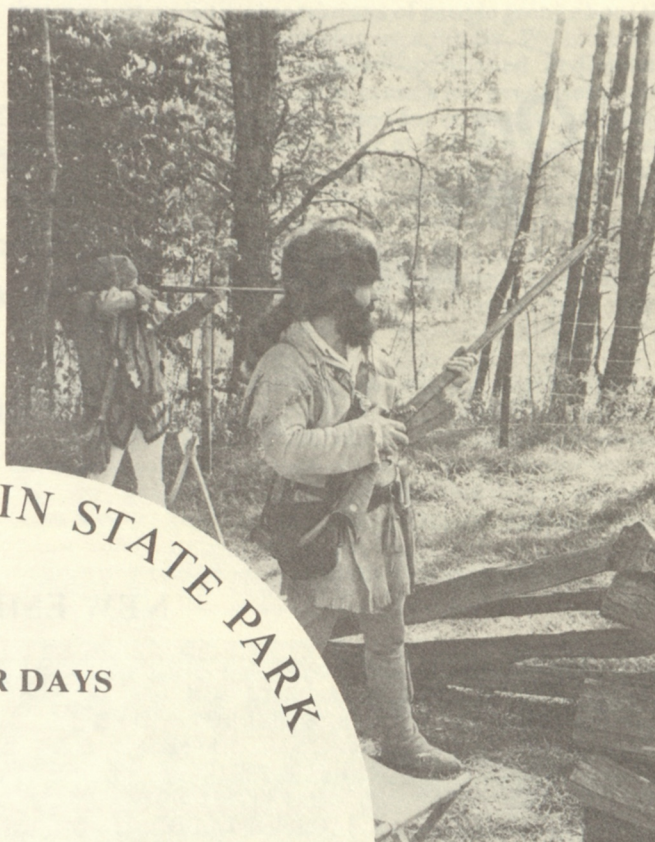
your potential audience is likely to enjoy. Our approach has been to try to provide the kinds of music people will enjoy and come to hear. Some of our programs are theme oriented and so the type of music we utilize is designed to enhance and add to that theme. We also want to provide variety, so we use different groups and types of music in the same area, even though another group has been successful in the past. All these are important factors to consider in planning a musical event.

After deciding what kind of group to have comes another essential ingredient to the success of any program, publicity. What is the best way to let people know what you're doing? There are many ways to publicize an event at little or no cost other than some printing and postage. It's important to recognize that since you are a public service agency there is time and space available at no charge if you take the time to ask. News releases to local papers will find their way into the coming events calendar, while 30 second radio spots sent to local stations will hit the airwaves as public service announcements. Some radio stations have "hot lines" you can call to be interviewed live about an upcoming event. For a very big event, television can be an aid and an appearance on a talk show can be a big help in boosting attendance. We utilize posters a great deal and rely on staff as well as the musicians and other interested parties to get them out. It certainly never hurts to develop contacts with local news agencies who can assist in getting your event the advance coverage it needs. There are numerous local and regional publications that are looking for events and happenings to share with their readers. It's important to remember that newspaper, radio and television are also there to serve the public interest and we help them do that by providing information on things we're doing.

Of course, musical events are not the only type of program we offer in state parks, but they are playing an increasingly important role in our overall programming effort. We've discovered that no matter what their age or where they're from, people enjoy music. When you're planning your next family outing, make it a point to visit a state park and be a part of that universal language, music.

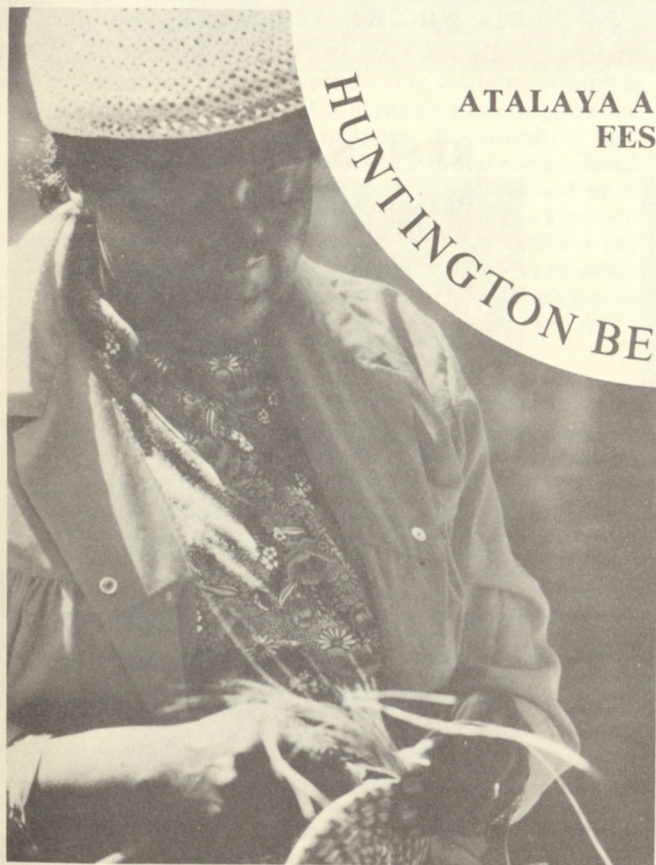
Phil Heydt
State Parks Recreator

THOUSANDS ATTEND PARKS PROGRAMS



KINGS MOUNTAIN STATE PARK

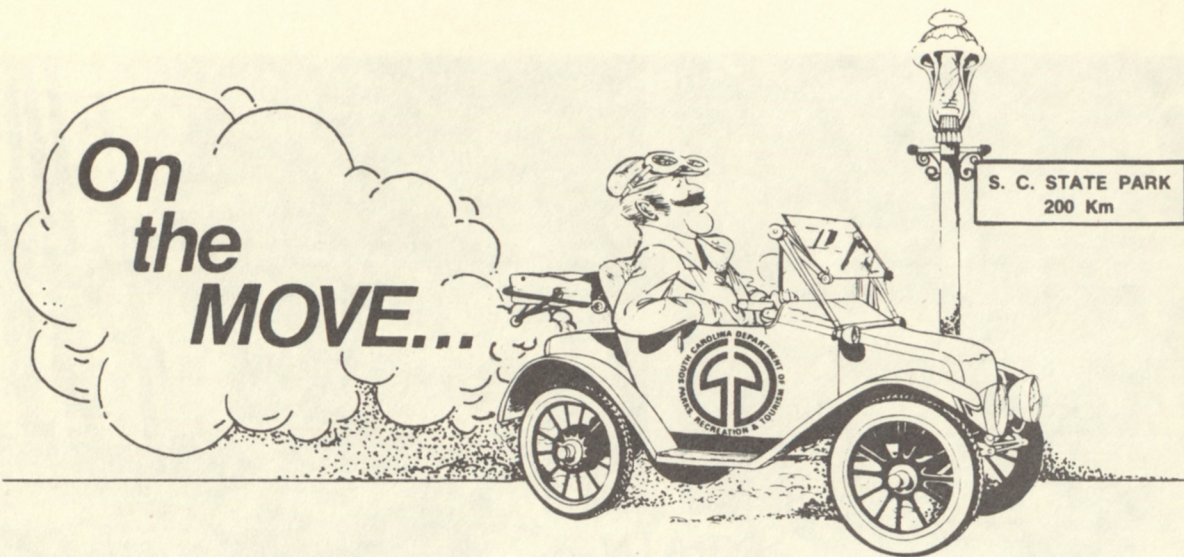
PIONEER DAYS



ATALAYA ARTS & CRAFTS
FESTIVAL



PERSONNEL CHANGES



NEW EMPLOYEES

ROSAMOND BENTZ — Ranger I - CTL
STEPHEN CAULDER — Ranger I - PR
LINDA FREEMAN — Custodial Worker - HK
JOYCE HARPER — Hotel Desk Clerk - HK
JAMES JACKSON — Ranger I - LPD
ROY LIMEHOUSE — Ranger I - GF
THOMAS MARSHALL — Ranger I - EB
ROBERT NEUMAN — Crafts Worker - CTL
JAMES OWENS — Ranger I - SE
BARBARA PARRISH — Canteen Operator I - DI

THOMAS PATTERSON — Groundskeeper I - HK
THOMAS PERRY — Ranger I - DI
BILLY RAMPEY — Ranger I - TR
TIMOTHY RAVENELL — Ranger I - PO
MARY SHEPPARD — Clerk II - HI
EDWIN SMALL — Ranger I - PO
RICHARD SMITH — Ranger I - LE
ARTHUR VICK — Ranger I - MB
JANNETTE WRIGHT — Canteen Operator I - CTL

PROMOTIONS AND TRANSFERS

RAYMOND CANADA — Ranger I, SE to Ranger II, SE
WILLIAM COATES — Crafts Worker, CTL to Carpenter, CTL
GEORGE CORLEY — Ranger II, SE to Ranger III, SE
RICKY DAVIS — Ranger II, KM to PMA, KM
VANDELL DAVIS — YACC Camp Director to Asst. Chief of Maintenance
EDWARD FRASIER — Ranger I, PO to Ranger II, PM
CHARLES HATFIELD — Ranger I, EB to Ranger II, EB
MICHAEL HOOFFMAN — Ranger I, LE to Ranger II, HI
MICHAEL HUNT — Ranger I, MB to PMA, HI
LAURA JEFFRIES — Canteen Operator, CTL to Crafts Worker, CTL
DANIEL NICHOLSON — Ranger I, PR to Ranger I, OC
NOVAN SANDERS — Ranger I, KM to Ranger II, KM
RAY STEVENS — Ranger II, EB to Maintenance Mechanic, MB
CARTER THOMAS — Ranger I, TR to Ranger II, TR
JAMES B. WORK — Assistant Chief of Maintenance to Chief of Maintenance, Columbia Office

RESIGNATIONS

PEDRO ACALA
WALTER BARTON
JERRY BELLAMY
CHARLES BROWN
MARIONETTE BROWN
DAVID BULLARD
KATHLEEN CHAPMAN
FRANK GAMMONS
RONNIE GATHERS
GARY HAYES
CELIA HIGGS
LARRY LANE
BRIAN LUOTO
SANDRA NELSON
NANETTE PICCIRILLO
JOHNNY SMITH
JOHN STOCKER
ETHEL SWINTON
ROGER THOMPkins
REBECCA THOMPSON

SMOKE SIGNALS



Remember the cowboy and Indian movies of yesteryear? We marveled at the methods by which the warriors communicated with one another. . . the manner in which they could tell the location and number of approaching soldiers. "The ear to the ground" worked then, and the smoke signals from a distant mountaintop relayed messages to war parties far and near.

Similar methods can work for us in the twentieth century. During a recent trip to New Hampshire, my wife Lynn and I observed that many families were driving straight through to their destination (as we did) without making overnight stops at a motel. In talking to some of them, they admitted that they simply couldn't afford the cost of a motel room. Some homes in the our upper middle-class neighborhood have rooms with no furniture or even a window shade to keep out the sun. Other homes have "For Sale" signs because the families cannot afford the high monthly payments and other expenses. "Moonlight sonata" seems to be everyone's theme song as many people hold down more than one job in an attempt to make ends meet.

Delinquency in home mortgage payments is reaching record levels. The Mortgage Bankers Association, which regularly polls approximately 600 lending institutions throughout the country, reports that one in 20 mortgage loans is now delinquent, meaning that payments are 30 days or more overdue. This represents the highest level of delinquency since the organization started making regular surveys 27 years ago. Foreclosures on mortgages are starting to inch up also, according to the Association. Contributing factors listed were runaway maintenance costs, the increased number of marital breakups and the rate at which many homeowners are running up consumer debt even though their basic expenses are climbing.

"Oil bills have gone up sharply. Electric bills have gone sky-high. Real estate taxes are averaging 10 to 15 percent more than last year. It's becoming overwhelming for many people," said Suburban Savings and Loan Association executive James Sanford.

The above observations are not meant to be negative. . . they are just realistic observations of people going about the daily task of living and bringing up a family. We often hear the term "discretionary income" mentioned in financial reports. This simply means the money left over after paying all bills. . . money that can be used for recreation, vacations and similar "non-essentials." We at PRT have often heard that an increasing proportion of our state park's operating budget is being obtained through revenue rather than through legislative appropriation. Have we ever stopped to think about these dollars, and where they come from?

If we start at the bottom of the income scale and move up, we might travel quite a ways before we reach a level where families had much, if any, of this "discretionary income" to use for such things as camping, cabin rental and travel. If there is an income group to which we might look for the bulk of the revenue which we are seeking, it might be labelled the "middle income group." As we near the top of the income scale, we might be surprised to find fewer and fewer persons that visit state parks. The constant publicity concerning taxes at every level (last night's local paper aired an increase in our county taxes) may cause people to be more interested in governmental programs and activities provided by these tax dollars. . . not activities for which additional dollars must be paid.

What am I driving at, you ask? Like the Indians of times gone by, it might be well for us to become experts at reading smoke signals and listening to vibrations in the ground. As "state parks people," we might be observant of our visitors as to where they come from, how long they are staying, and what they are doing while they are here. Take the time to talk with visitors at your park, for their conversations may reveal facts that are worth passing on to others in the system. It's all a matter of being prepared for that bunch of pony soldiers on the other side of the hill!

We as administrators like to think that we know what people out there want. However, your daily conversations with park visitors may prove that some of our ideas are wrong. Let us hear from you!

Dana L. Sawyer
Editor

Note: Do you ever stumble across something that you think is worthy of sharing with others? A recent letter from my aunt, a retired high school English teacher, included the following thoughts: "Situations and people are what they are. What we can't change, we accept. When things are out of our hands, we have to trust in hands other than our own. May they guide us well."



The editor is a member of the Southeastern Outdoor Press Association.

PARK LITES
South Carolina State Parks
1205 Pendleton Street
Columbia, South Carolina 29201

BULK RATE
U.S. POSTAGE
PAID
Columbia, S.C. 29201
Permit No. 1030

800030340 70
SC STATE LIBRARY
PO BOX 11469
COLUMBIA SC 29211



Kings Mountain State Park Superintendent Lew Cato reported that the crowd at this year's Pioneer Days was "bigger and better" than ever! Shown here is a small group assembled for childrens games.